

REMARKS

Claims 49-54, 58-61, 65, 68-75, 91, and 99 remain pending in this application. Claims 49, 60, 61, 69, and 70 are currently amended to put the pending claims in condition for allowance. Claims 1, 2, 4, 10, 16, 43, 44, 56, 57, 66, 67, and 145 are cancelled, without prejudice or disclaimer, in this Amendment. As a result, the pending claims are in condition for allowance and such allowance is respectfully requested.

Allowable Subject Matter

In the Office Action, claims 57 and 67 were “[O]bjected to as being dependent upon rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claim.” *Office Action*, p. 5. Dependent claim 57 was dependent on claim 56 which was dependent on independent claim 49. Independent claim 49 is amended to include, *inter alia*, the limitations of claims 56 and 57. Since dependent claim 67 was dependent on claim 66 with claims 66 and 67 containing similar limitations as claims 56 and 57, claims 66 and 67 are cancelled in this Amendment. Since dependent claims 50-54, 58-61, 65, 68-75, 91, and 99 are dependent from allowable claim 49, these claims are also in condition for allowance.

Advisory Action

In the Advisory Action, the Examiner noted that “Claims 60,61 are substantially the same as claims 50,51.” *Advisory Action*, p. 2. The Advisory Action further recites that “It is unclear as to whether the reconstructed PET image which uses corrected data set forth in claim 49 is the same reconstructed PET image set forth in claim 65. In claims 69,70 it is unclear as to which reconstructed PET image is being referred to.” *Id.*

Regarding claims 60 and 61, the dependency of these claims is changed to claim 52. Claims 50, 51, and 52 depend from claim 49. As a result, claims 60 and 61 are not substantially the same as claims 50 and 51.

Regarding claims 69 and 70, these claims are dependent on claim 65 which generates attenuation correction factors for the PET image and using those factors to reconstruct a corrected PET image. Claims 69 and 70 are amended to refer to the attenuation-corrected

PET image. As a result, the attenuation-corrected PET image that is referred to in claims 69 and 70 is clear.

Since claims 60, 61, 69, and 70 are dependent from allowable claim 49, these claims are also in condition for allowance.

Rejections

The cancellation of claims 1, 2, 4, 10, 16, 43, 44, 56, 57, 66, 67, and 145 is done for the purpose of putting the pending claims in condition for allowance, and is without disclaimer or prejudice to the filing of a continuation or divisional application directed to these claims. As a result, the pending rejections are rendered moot and the undersigned representatives respectfully requests that such rejections be withdrawn.

**Conclusion**

In view of the foregoing, further reconsideration of the present application, withdrawal of the outstanding grounds of rejection and objection, and issuance of a Notice of Allowance are earnestly solicited.

Please charge any fee or credit any overpayment pursuant to 37 CFR 1.16 or 1.17 to Novak Druce Deposit Account No. 14-1437.

<b>RESPECTFULLY SUBMITTED,</b>					
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